Page 1 Executive Summary M/035/0042

### **EXECUTIVE SUMMARY**

Date Summary Prepared: October 22, 2015

Mine Name: Beef Hollow Facility	I.D. Number: M/035/0042
<b>Operator:</b> Staker Parson Companies	Date Original Notice Received: June 30, 2009
Address: 89 West 13490 South, Suite 100	County: Salt Lake
Draper, Utah 84020	New/Existing: New LMO
	Mineral Ownership: Fee/State
<b>Telephone:</b> 801-871-6600	Surface Ownership: Fee
Contact Person: Mike Dalley	Lease No.(s): N/A
<b>Telephone:</b> 801-871-6600	Permit Term: Life of Mine

Life of Mine: 20+ years

Legal Description: Township 4 South, Range 1 West, Portions of Sections 16, 17, 18, 19, 20, and 21.

Mineral(s) to be Mined: Orthoguartzite and volcanic rock.

**Acres to be Disturbed**: 372 acres in phase 1, which has a reclamation surety bond. Two hundred twenty acres may be disturbed in Phase 2, but this area is not bonded.

Present Land Use: Landscape boulders and wildlife habitat.

Postmining Land Use: Grazing and wildlife habitat. Secondary land use suggested is residential and commercial.

Variances from Reclamation Standards (Rule R647) Granted: None.

### Soils and Geology

**Soil Description**: Soils are variable with loamy sands, clay loams and sandy clay loams with near-neutral to slightly alkaline pH values and no toxicity problems. These materials have been tested and are well suitable as soils.

**Special Handling Problems**: There are no special handling problems, but soils were not salvaged in areas that were disturbed by previous mining operations that were not in compliance with the Mined Land Reclamation Act. The average depth of topsoil is six inches and there are many areas with greater than five feet of soil.

**Geology Description**: The operation is located on the west side of the Jordan River in the foothills of the Traverse Mountain Range. The site has a discontinuous veneer of lacustrine sediments deposited over volcanics. In addition, the Beef Hollow thrust fault, along with various normal faults, have brought a Paleozoic-aged fine grained ortho-quartzite bedrock of the Oquirrh Group to the surface.

Page 2 Executive Summary M/035/0042

### **Hydrology**

**Ground Water Description**: There are several groundwater wells within the proximity of the Beef Hollow Operation. The lowest elevation of the mine will be 4900 feet. Ground water is found approximately 250 feet below the lowest mining area.

**Surface Water Description**: No perennial streams or intermittent waters have been impacted or will be impacted by mining operations. A storm water pollution prevention plan is located onsite in the scale house for review. A Stream Alteration Permit is included in the Notice of Intention for the Wood Hollow drainage. A UDPES permit was obtained from the Division of Water Quality – UTR260155.

# **Ecology**

**Vegetation Type(s); Dominant Species**: Dominant desirable species are wheatgrasses, wild rye, fescue, various forbs, rubber rabbitbrush, and big sage.

Current Vegetative Cover: There are localized areas of Gambel oak, but cheatgrass and other weeds dominate the slopes that were disturbed prior to regulation by the Division.

Wildlife Concerns: There is no critical habitat for any wildlife species or other species of special concern.

# Mining and Reclamation Plan Summary:

**During Operations**: Operations will primarily consist of drilling, blasting and crushing and the size sorting for construction grade materials. No concurrent reclamation is planned at this time. Blasting protocols will follow national standards for blasting and vibration. Seismograph monitoring will be done if deemed necessary.

After Operations: All support facilities and equipment for mining would be removed when mining is complete. All trash, oil, fuel, equipment, debris and structures will be removed from the site, and the site will be prepared for reclamation. All process facility buildings will be dismantled and removed from the site. The rock highwalls will be benched and left as is with no slopes greater than 2H:1V. The final slopes and pit floor will be topsoiled with 12 inches of topsoil and seeded. The southern main haul road will remain after reclamation. All other roads will be ripped and seeded. Any roads to be left will require a written request from the land owner.

### Surety

Amount: \$3,144,000.00

Form: Surety Bond, submitted

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